Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. 4. (Cancelled)
- 5. (New) A method for manufacturing an optical member which is a laminated optical member including plural lenses, one lens of which is formed of fluorite (CaF₂), another lens of which is formed of synthetic quartz (SiO₂), the optical member being used in the UV region from 100nm to 200nm, the method comprising:

filling a fluorine-based organic compound between the plural lenses; and

sealing the whole periphery of the plural lenses with an organic solvent-soluble amorphous fluorine resin having an adhesion so as to seal the organic compound filled between the plural lenses,

the fluorine-based organic compound having the formula (1), the formula (2), or the formula (3) as follows:

Formula 1

Formula 2

$$F \leftarrow CF - CF_2 - O \rightarrow_{\overline{\Pi}} CF_2 - CF_3$$

$$CF_3$$

Formula 3

$$CF_3 + O - CF - CF_2 + O - CF_2 + O - CF_3 + O - CF_3$$
 CF_3

$$CF_3 + O - CF_2 - CF_2 \rightarrow_{\overline{p}} + O - CF_2 \rightarrow_{\overline{q}} + O - CF_3$$

6. (New) The method for manufacturing an optical member according to claim 5, further comprising evaporating a fluoride on a surface of the plural lenses.